2/19/43

DIALOG(R) File 347: JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

Image available

OIL SEAL STRUCTURE IN TRANSMISSION FOR VEHICLE

PUB. NO.: 59-126162 [JP 59126162 A] PUBLISHED: July 20, 1984 (19840720)

INVENTOR(s): SAKAKIBARA SHIRO

APPLICANT(s): AISIN WARNER LTD [398968] (A Japanese Company or Corporation)

, JP (Japan)

APPL. NO.: 57-233201 [JP 82233201] FILED: December 30, 1982 (19821230)

INTL CLASS: [3] F16H-057/02; F16C-033/76; F16J-015/32

JAPIO CLASS: 22.2 (MACHINERY -- Mechanism & Transmission); 22.1 (MACHINERY

-- Machine Elements)

JOURNAL: Section: M, Section No. 338, Vol. 08, No. 249, Pg. 165,

November 15, 1984 (19841115)

ABSTRACT

PURPOSE: To shorten the axial dimension to provide a compact oil seal structure and enable a synchro-joint to be easily located in a double shaft type transmission by arranging the oil seal and a bearing axially doubly. CONSTITUTION: A bearing 211 is fitted between a tubular portion 23C provided to project from a fixed flange 23A to the engine side and a boss 651 in the central portion of a side wall 65. A gap between the engine side end of the boss 651 and a metal 21A of an input shaft is sealed by a metal ring 85 comprising an annular disk 81 and a tubular portion 83 extending from the outer periphery 11 to the other side and an oil seal 5 comprising a rubber lip 87 mounted from the inner periphery of the disk 81 in the same direction as and coaxially with the tubular portion 83 and a tongue 89 fitted into the lip 87. The oil seal 8 is constituted to have the tubular portion 83 fitted onto the boss 651 and the lip 87 fitted onto the metal 21A such that the bearing 211 enters between the tubular portion 83 and the lip 87 to overlap axially.

C:\Program Files\Dialog\DialogLink\Graphics\2F.bmp

